

Table I (2 of 3)
Identification of Achievable Performance Standards
Source Category: Graphic Arts

Regulated Component	Pollutant	Rule/Measure/Date									
		Sacramento 450, Graphic Arts Operations, 12/05/96		San Diego 67.16, Graphic Arts Operations, 05/15/96		San Joaquin Valley 4607, Graphic Arts, 09/17/97		South Coast 1130, Graphic Arts, 03/08/96		Ventura 74.19, Graphic Arts, 09/10/96	
		Performance Standard									
exempt compounds	VOC		methylene chloride; 1,1,1,trichloroethane; perchloroethylene plus other compounds		methylene chloride; 1,1,1,trichloroethane; perchloroethylene plus other compounds		methylene chloride; 1,1,1,trichloroethane; plus other compounds		methylene chloride; 1,1,1,trichloroethane; perchloroethylene plus others		methylene chloride; 1,1,1,trichloroethane; plus other compounds
ink	VOC	x	300 grams of VOC per liter of materials, less water and exempt compounds	x	300 grams of VOC per liter as applied, less water and exempt compounds used	x	300 grams of VOC per liter less water and exempt compounds	x	300 grams of VOC per liter less water and exempt compounds	x	300 grams of VOC per liter as applied, less water and exempt compounds
coating	VOC	x	300 grams of VOC per liter of materials, less water and exempt compounds	x	300 grams of VOC per liter as applied, less water and exempt compounds used	x	300 grams of VOC per liter less water and exempt compounds	x	300 grams of VOC per liter less water and exempt compounds	x	300 grams of VOC per liter as applied, less water and exempt compounds
adhesive	VOC		300 grams of VOC per liter of materials, less water and exempt compounds		300 grams of VOC per liter as applied, less water and exempt compounds used		300 grams of VOC per liter less water and exempt compounds (150 g/l 9/17/99)		300 grams of VOC per liter less water and exempt compounds		300 grams of VOC per liter as applied, less water and exempt compounds
web splicing adhesive	VOC					x	300 grams of VOC per liter less water and exempt compounds (9/17/99)				
specialty inks							2 gallons per day 120 gallons per year		see metallic ink and matte finish ink		

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		Performance Standard						
• metallic ink	VOC				485 g/l (9/17/98)	300 g/l unless usage is 2 gallons/day and 125 gallons/year or less and the PTE is 10 tons/yr or less and the VOC content < 535 g/l		
• matte finish ink	VOC				535 g/l (9/17/98)	300 g/l unless usage is 2 gallons/day and 125 gallons/year or less and the PTE is 10 tons/yr or less and the VOC content < 460 g/l		
fountain solution	VOC	116 grams VOC per liter of material, as applied	15 % by volume VOC, as applied	15 % VOC by volume (10 % in 1998, 8 % in 2000)	x	100 grams VOC per liter of material or 67 % overall control		115 grams VOC per liter
publication gravure	VOC	exempt	x 85 % see emission control (same as Bay Area)	75 % combined collection and control		75 % overall control efficiency		capture and control combined efficiency of 75 %
packaging gravure	VOC	67% or 75% reduction per production unit on a daily basis (see emissions control)	85 % see emission control	67% combined collection and control see emissions from other types of printing		67 % overall control efficiency		67% see emissions from other types of printing

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		Performance Standard						
specialty gravure	VOC	67% or 75% reduction per production unit on a daily basis (see emissions control)	85 % see emission control	67% combined collection and control see emissions from other types of printing		67%	see emissions from other types of printing	
gravure	VOC		85 % see emission control	67% combined collection and control see emissions from other types of printing		67% by weight	see emissions from other types of printing	
flexography	VOC	67% or 75% reduction per production unit on a daily basis (see emissions control)	85 % see emission control	67% combined collection and control see emissions from other types of printing	67 % overall control efficiency	67% by weight	see emissions from other types of printing	
letterpress	VOC	67% or 75% reduction per production unit on a daily basis (see emissions control)	85 % see emission control	67% combined collection and control see emissions from other types of printing	67 % overall control efficiency	67% by weight	see emissions from other types of printing	
lithographic	VOC	67% or 75% reduction per production unit on a daily basis (see emissions control)	85 % see emission control	67% combined collection and control see emissions from other types of printing	67 % overall control efficiency	67% by weight	see emissions from other types of printing	
wall paper screen	VOC	67% or 75% reduction per production unit on a daily basis (see emissions control)						

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		Performance Standard									
General Emission Limitations:											
emission from printing and drying operations	VOC										
emissions from other types of printing	VOC					overall control efficiency of 67 %					67 % by weight
emissions control	VOC		control device efficiency of 95 % on a mass basis and emission collection efficiency of 70 % which is the same as 67 % overall control efficiency; or 75 % reduction per production unit on a daily basis		85 % combined capture and control device efficiency ¹						
records - lists of solutions	VOC		maintain list with the VOC content on an as-applied basis		maintain list with the type, dilution ratio, VOC content		maintain list with the material name, manufacturer's name, VOC content as applied, mixing instructions, density, and vapor pressure		see Rule 109 list district rule number, permit units involved, method of application and substrate type, the VOC content		maintain list including material name, manufacturer id, mixing instructions and VOC content
records - type & quantity of use	VOC		record quantity of use on a monthly basis		record quantity of use on a daily or monthly basis		record quantity of use on a monthly basis		amount and type of graphic arts material used		record quantity of use on a daily basis (or monthly for small use

¹ Feasible but not cost effective, most sources use low VOC compounds to comply - sources meeting 85% or better due to New Source Review;
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		Performance Standard									
											and research exemption)
records - retention time	VOC		retain records for two years		retain records for three years		retain records for two years		retain records for two years		retain records for two years
monitoring	VOC										
			daily records of the type and volume of materials used if using control system		daily records of the type and volume of materials used if using control system		daily records of the type and volume of materials u sed if using control system				
			O & M plan required		daily records of key system operating parameters		daily records of key system operating parameters				daily records of key system operating parameters
		x	exempt facilities maintain records	x	exempt facilities maintain records	x	exempt facilities maintain records		* not clear		

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